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Search Results - Record(s) 1 through 40 of 46 returned.

☐ 1. Document ID: US 20030170277 A1

L5: Entry 1 of 46

File: PGPB

Sep 11, 2003

PGPUB-DOCUMENT-NUMBER: 20030170277

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030170277 A1

TITLE: Selection of poultry *Eimeria* strains through extra-intestinal *sporozoites*

PUBLICATION-DATE: September 11, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Davelaar, Frans Gerrit	Putten		NL	

US-CL-CURRENT: 424/267.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWAC	Draw Desc	Image
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☐ 2. Document ID: US 20030104497 A1

L5: Entry 2 of 46

File: PGPB

Jun 5, 2003

PGPUB-DOCUMENT-NUMBER: 20030104497

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030104497 A1

TITLE: Recombinant scFV *antibodies* specific to *Eimeria* spp. responsible for coccidiosis

PUBLICATION-DATE: June 5, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kim, Jin-Kyoo	Kyongsangnam-do	MD	KR	
Han, Jae-Yong	Seoul	MD	KR	
Song, Ki-Duck	Daejon Metropolitan City	MD	KR	
Kim, Sung-Won	Kyongsangnam-do	MD	KR	
Min, Won-Gi	Beltsville		US	
Son, Eun-Jung	Beltsville		US	
Lillehoj, Hyun Soon	Beltsville		US	
Lillehoj, Erik Peter	Beltsville		US	

US-CL-CURRENT: 435/7.22; 435/258.4, 435/320.1, 435/342, 435/69.1, 530/388.6, 536/23.53

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWAC	Draw Desc	Image
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☐ 3. Document ID: US 20030044414 A1

L5: Entry 3 of 46

File: PGPB

Mar 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030044414
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030044414 A1

TITLE: Methods of treatment

PUBLICATION-DATE: March 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Thoma, John A.	Sarasota	FL	US	
Haddad, Eid E.	Cary	NC	US	
Whitfill, Craig E.	Apex	NC	US	
Avakian, Alan P.	Raleigh	NC	US	

US-CL-CURRENT: 424/164.1; 424/234.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 4. Document ID: US 20020015706 A1

L5: Entry 4 of 46

File: PGPB

Feb 7, 2002

PGPUB-DOCUMENT-NUMBER: 20020015706
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020015706 A1

TITLE: METHODS OF TREATMENT

PUBLICATION-DATE: February 7, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
THOMA, JOHN A.	FAYETTEVILLE	AR	US	
HADDAD, EID E.	CARY	NC	US	
WHITFILL, CRAIG E.	APEX	NC	US	
AVAKIAN, ALAN P.	RALEIGH	NC	US	

US-CL-CURRENT: 424/184.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC	Draw Desc	Image
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☒ 5. Document ID: US 6451984 B1

L5: Entry 5 of 46

File: USPT

Sep 17, 2002

US-PAT-NO: 6451984
DOCUMENT-IDENTIFIER: US 6451984 B1

TITLE: Chicken monoclonal antibodies specific for coccidial antigens involved in invasion of host lymphocytes

DATE-ISSUED: September 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lillehoj; Hyun S.	West Friendship	MD		
Majorie; B. Nichols	Columbia	MD		

US-CL-CURRENT: 530/388.6; 424/151.1, 435/252.3, 435/342, 536/24.32

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☒ 6. Document ID: US 6440408 B2

L5: Entry 6 of 46

File: USPT

Aug 27, 2002

US-PAT-NO: 6440408

DOCUMENT-IDENTIFIER: US 6440408 B2

**** See image for Certificate of Correction ****

TITLE: Method of treatment

DATE-ISSUED: August 27, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Thoma; John A.	Fayetteville	AR		
Haddad; Eid E.	Cary	NC		
Whitfill; Craig E.	Apex	NC		
Avakian; Alan P.	Raleigh	NC		

US-CL-CURRENT: 424/93.1; 424/178.1, 424/180.1, 424/184.1, 424/193.1, 424/197.11, 424/93.21, 424/93.4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☒ 7. Document ID: US 6203801 B1

L5: Entry 7 of 46

File: USPT

Mar 20, 2001

US-PAT-NO: 6203801

DOCUMENT-IDENTIFIER: US 6203801 B1

TITLE: Coccidiosis polypeptide and vaccines

DATE-ISSUED: March 20, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Schaap; Theodorus Cornelis	's-Hertogenbosch			NL
Kuiper; Catharina Maria	's-Hertogenbosch			NL
Vermeulen; Arnoldus Nicolaas	Cuyk			NL

US-CL-CURRENT: 424/267.1; 424/184.1, 424/185.1, 424/191.1, 424/265.1, 424/266.1, 424/269.1, 424/271.1, 424/93.1, 424/93.2, 435/252.3, 435/320.1, 435/69.1, 435/69.3, 514/44, 530/350, 536/23.5, 536/23.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☒ 8. Document ID: US 6100241 A

L5: Entry 8 of 46

File: USPT

Aug 8, 2000

US-PAT-NO: 6100241

DOCUMENT-IDENTIFIER: US 6100241 A

TITLE: Coccidiosis poultry vaccine

DATE-ISSUED: August 8, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kok; Jacobus Johannes	Nijmegen			NL
van den Boogaart; Paul	SC Oss			NL
Vermeulen; Arnodus Nicolaas	Cuyk			NL

US-CL-CURRENT: 514/44; 424/93.2, 435/320.1, 435/325, 435/455, 435/456, 435/69.1, 435/70.1, 536/23.1

Full Title Citation Front Review Classification Date Reference Sequences Attachments

FORM Draw Desc Image

☒ 9. Document ID: US 6017734 A

L5: Entry 9 of 46

File: USPT

Jan 25, 2000

US-PAT-NO: 6017734

DOCUMENT-IDENTIFIER: US 6017734 A

TITLE: Unique nucleotide and amino acid sequence and uses thereof

DATE-ISSUED: January 25, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Summers; Max D.	Bryan	TX		
Braunagel; Sharon C.	Bryan	TX		
Hong; Tao	Bryan	TX		

US-CL-CURRENT: 435/69.7; 435/320.1, 435/348, 435/365, 435/91.4, 536/23.1, 536/23.72, 536/24.1

Full Title Citation Front Review Classification Date Reference Sequences Attachments

FORM Draw Desc Image

☒ 10. Document ID: US 6008342 A

L5: Entry 10 of 46

File: USPT

Dec 28, 1999

US-PAT-NO: 6008342

DOCUMENT-IDENTIFIER: US 6008342 A

**** See image for Certificate of Correction ****

TITLE: DNA encoding eimeria antigen

DATE-ISSUED: December 28, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Binger; Mary-Helen	Hopewell	NJ		
Pasamontes; Luis	Trimbach			CH

US-CL-CURRENT: 536/23.7; 424/271.1, 435/252.3, 435/252.33, 435/320.1, 435/69.3, 435/71.1, 536/22.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMK	Draw Desc	Image
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☒ 11. Document ID: US 6001363 A

L5: Entry 11 of 46

File: USPT

Dec 14, 1999

US-PAT-NO: 6001363

DOCUMENT-IDENTIFIER: US 6001363 A

**** See image for Certificate of Correction ****

TITLE: Coccidiosis poultry vaccine

DATE-ISSUED: December 14, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tomley; Fiona Margaret	Oxford			GB
Dunn; Paul Patric James	Oxfordshire			GB
Bumstead; Janene Marylin	Wantage			GB
Vermeulen; Arnoldus Nicolaas	Cuyk			NL

US-CL-CURRENT: 424/191.1; 424/267.1, 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMK	Draw Desc	Image
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☐ 12. Document ID: US 5932225 A

L5: Entry 12 of 46

File: USPT

Aug 3, 1999

US-PAT-NO: 5932225

DOCUMENT-IDENTIFIER: US 5932225 A

TITLE: Vaccine comprising eimeria spp. gametocyte antigen

DATE-ISSUED: August 3, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wallach; Michael	Jerusalem			IL
Pugatsch; Thea	Maaleh Adumin			IL
Mencher; David	Jerusalem			IL

US-CL-CURRENT: 424/267.1; 424/184.1, 424/185.1, 424/191.1, 424/271.1, 424/276.1, 435/69.1, 435/69.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMK	Draw Desc	Image
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☐ 13. Document ID: US 5925347 A

US-PAT-NO: 5925347

DOCUMENT-IDENTIFIER: US 5925347 A

TITLE: Viral vector vaccines comprising nucleic acids encoding eimeria proteins for poultry vaccination against coccidiosis

DATE-ISSUED: July 20, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vermeulen; Arnoldus Nicolaas	Cuijk			NL
Boogaart; Paul van den	Oss			NL
Kok; Jacobus Johannus	Nijmegen			NL

US-CL-CURRENT: 424/93.2; 424/184.1, 424/185.1, 424/267.1, 424/271.1, 424/93.1, 435/320.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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Full	Draw Desc	Image
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☐ 14. Document ID: US 5885568 A

L5: Entry 14 of 46

File: USPT

Mar 23, 1999

US-PAT-NO: 5885568

DOCUMENT-IDENTIFIER: US 5885568 A

TITLE: Coccidiosis poultry vaccine

DATE-ISSUED: March 23, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tomley; Fiona Margaret	Oxford			GB2
Dunn; Paul Patric James	Chalgrove			GB2
Bumstead; Janene Marylin	Wantage			GB2
Vermeulen; Arnoldus N.	Cuyk			NL

US-CL-CURRENT: 424/93.2; 435/252.3, 435/320.1, 435/69.1, 435/69.3, 514/44, 536/23.5, 536/23.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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Full	Draw Desc	Image
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☐ 15. Document ID: US 5861160 A

L5: Entry 15 of 46

File: USPT

Jan 19, 1999

US-PAT-NO: 5861160

DOCUMENT-IDENTIFIER: US 5861160 A

TITLE: Isospora suis sporozoite antigen

DATE-ISSUED: January 19, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Quick; Douglas P.	DesMoines	IA		
Welter; Mark W.	Urbandale	IA		
Welter; C. Joseph	DesMoines	IA		
Welter; Lisa M.	Los Angeles	CA		
Steger; Ann M.	DesMoines	IA		

US-CL-CURRENT: 424/191.1; 424/269.1, 435/69.3, 435/947, 530/324, 530/350, 530/806, 530/822, 930/210

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMOC	Draw Desc	Image
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☐ 16. Document ID: US 5843722 A

L5: Entry 16 of 46

File: USPT

Dec 1, 1998

US-PAT-NO: 5843722

DOCUMENT-IDENTIFIER: US 5843722 A

TITLE: Coccidiosis poultry vaccine

DATE-ISSUED: December 1, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bumstead; Janene Marilyn	Wantage			GB2
Dunn; Paul Patrick James	Chalgrove			GB2
Tomley; Fiona Margaret	Oxford			GB2
Vermeulen; Arnoldus Nicolaas	Cuijk			NL

US-CL-CURRENT: 435/69.3; 424/191.1, 424/267.1, 424/271.1, 435/252.33, 435/258.4, 435/320.1, 536/23.1, 536/23.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMOC	Draw Desc	Image
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☐ 17. Document ID: US 5814320 A

L5: Entry 17 of 46

File: USPT

Sep 29, 1998

US-PAT-NO: 5814320

DOCUMENT-IDENTIFIER: US 5814320 A

TITLE: Eimeria tenella polypeptide and vaccine containing same

DATE-ISSUED: September 29, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Clarke; Lorraine Elizabeth	Cumnor			GB
Tomley; Fiona Margaret	Cambridge			GB
Dijkema; Rein	ML Oss			NL
Vermeulen; Arno	HH Cuyk			NL

US-CL-CURRENT: 424/267.1; 424/184.1, 424/185.1, 424/271.1, 435/69.1, 435/69.3, 530/350

☐ 18. Document ID: US 5795741 A

L5: Entry 18 of 46

File: USPT

Aug 18, 1998

US-PAT-NO: 5795741

DOCUMENT-IDENTIFIER: US 5795741 A

TITLE: Coccidiosis poultry vaccine

DATE-ISSUED: August 18, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bumstead; Janene Marilyn	Wantage			GB2
Dunn; Paul Patrick James	Chalgrove			GB2
Tomley; Fiona Margaret	Oxford			GB2
Vermeulen; Arnoldus Nicolaas	Cuijk			NL

US-CL-CURRENT: 435/69.3; 424/191.1, 424/271.1, 435/252.3, 435/69.1, 536/23.1, 536/25.3

☐ 19. Document ID: US 5792644 A

L5: Entry 19 of 46

File: USPT

Aug 11, 1998

US-PAT-NO: 5792644

DOCUMENT-IDENTIFIER: US 5792644 A

**** See image for Certificate of Correction ****TITLE: DNA encoding an *Eimeria* 200 kd antigen

DATE-ISSUED: August 11, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vermeulen; Arnoldus Nicolaas	Cuijk			NL
Boogaart; Paul van den	Oss			NL
Kok; Jacobus Johannus	Nijmegen			NL

US-CL-CURRENT: 435/325; 435/252.3, 435/320.1, 435/348, 435/362, 435/367, 435/419, 435/69.3, 536/23.5, 536/23.7

☐ 20. Document ID: US 5789233 A

L5: Entry 20 of 46

File: USPT

Aug 4, 1998

US-PAT-NO: 5789233

DOCUMENT-IDENTIFIER: US 5789233 A

TITLE: DNA encoding an *Eimekia* 50 KD antigen

DATE-ISSUED: August 4, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vermeulen; Arnoldus Nicolaas	Cuijk			NL
van den Boogaart; Paul	Oss			NL
Kok; Jacobus Johannus	Nijmegen			NL

US-CL-CURRENT: 435/325; 435/252.3, 435/252.31, 435/252.33, 435/252.34, 435/254.11,
435/254.2, 435/254.21, 435/320.1, 435/348, 435/362, 435/367, 435/419, 435/69.3,
536/23.5, 536/23.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMC	Draw	Desc	Image
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☐ 21. Document ID: US 5783197 A

L5: Entry 21 of 46

File: USPT

Jul 21, 1998

US-PAT-NO: 5783197

DOCUMENT-IDENTIFIER: US 5783197 A

TITLE: Eimeria polypeptide antigen and vaccines containing the same

DATE-ISSUED: July 21, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vermeulen; Arno	Cuyk			NL
Dijkema; Rein	Oss			NL
Kok; Jacobus Johannes	Nijmegen			NL

US-CL-CURRENT: 424/267.1; 424/184.1, 424/185.1, 424/271.1, 435/252.33, 435/69.1,
435/69.3, 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMC	Draw	Desc	Image
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☐ 22. Document ID: US 5780289 A

L5: Entry 22 of 46

File: USPT

Jul 14, 1998

US-PAT-NO: 5780289

DOCUMENT-IDENTIFIER: US 5780289 A

TITLE: Coccidiosis poultry vaccine DNA encoding an elmeria 20K antigen

DATE-ISSUED: July 14, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vermeulen; Arnoldus Nicolaas	HH Cuijk			NL
van den Boogaart; Paul	SC Oss			NL
Kok; Jacobus Johannus	DH Nijmegen			NL

US-CL-CURRENT: 435/325; 435/252.3, 435/320.1, 435/348, 435/362, 435/367, 435/419,
435/69.3, 536/23.5, 536/23.7

☐ 23. Document ID: US 5709862 A

L5: Entry 23 of 46

File: USPT

Jan 20, 1998

US-PAT-NO: 5709862

DOCUMENT-IDENTIFIER: US 5709862 A

TITLE: Isolated protein from Eimeria useful as a cross species vaccine

DATE-ISSUED: January 20, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Anderson; David M.	Rockville	MD		
McCandliss; Russell J.	Gaithersburg	MD		
Strausberg; Susan Lee	Silver Spring	MD		
Strausberg; Robert L.	Silver Spring	MD		
Ruff; Michael D.	Bowie	MD		
Danforth; Harry D.	Severn	MD		
Augustine; Patricia C.	Laurel	MD		

US-CL-CURRENT: 424/191.1; 424/266.1, 424/267.1, 530/324, 530/350

☐ 24. Document ID: US 5688513 A

L5: Entry 24 of 46

File: USPT

Nov 18, 1997

US-PAT-NO: 5688513

DOCUMENT-IDENTIFIER: US 5688513 A

TITLE: Coccidiosis vaccines

DATE-ISSUED: November 18, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Binger; Mary-Helen	Hopewell	NJ		
Pasamontes; Luis	Trimbach			CH

US-CL-CURRENT: 424/271.1; 424/184.1, 424/185.1, 424/265.1, 424/266.1, 530/350

☐ 25. Document ID: US 5677438 A

L5: Entry 25 of 46

File: USPT

Oct 14, 1997

US-PAT-NO: 5677438

DOCUMENT-IDENTIFIER: US 5677438 A

**** See image for Certificate of Correction ****

TITLE: Coccidiosis vaccine

DATE-ISSUED: October 14, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Clarke; Lorraine Elizabeth	Cumnor			GB
Tomley; Fiona Margaret	Cambridge			GB
Dijkema; Rein	Oss			NL
Vermeulen; Arno	Cuyk			NL

US-CL-CURRENT: 536/23.7; 424/184.1, 424/185.1, 424/267.1, 435/252.3, 435/320.1, 435/69.1, 435/69.3, 435/71.1, 536/22.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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EMC	Draw Desc	Image
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☐ 26. Document ID: US 5670362 A

L5: Entry 26 of 46

File: USPT

Sep 23, 1997

US-PAT-NO: 5670362

DOCUMENT-IDENTIFIER: US 5670362 A

TITLE: DNA encoding an Eimeria 100kD antigen

DATE-ISSUED: September 23, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vermeulen; Arnoldus Nicolaas	Cuijk			NL
van den Boogaart; Paul	Oss			NL
Kok; Jacobus Johannus	Nijmegen			NL

US-CL-CURRENT: 435/325; 435/252.3, 435/320.1, 435/348, 435/362, 435/367, 435/419, 435/69.3, 536/23.5, 536/23.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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EMC	Draw Desc	Image
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☐ 27. Document ID: US 5656485 A

L5: Entry 27 of 46

File: USPT

Aug 12, 1997

US-PAT-NO: 5656485

DOCUMENT-IDENTIFIER: US 5656485 A

TITLE: Eimeria antigenic composition which elicits antibodies against avian coccidiosis

DATE-ISSUED: August 12, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jacobson; James W.	Rockville	MD		
Strausberg; Robert L.	Silver Spring	MD		
Wilson; Susan D.	Rockville	MD		
Pope; Sharon H.	Gaithersburg	MD		
Strausberg; Susan Lee	Silver Spring	MD		
Ruff; Michael D.	Bowie	MD		
Augustine; Patricia C.	Laurel	MD		
Danforth; Harry D.	Severn	MD		

US-CL-CURRENT: 435/252.3; 424/191.1, 424/271.1, 435/320.1, 435/69.3, 536/23.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☒ 28. Document ID: US 5637487 A

L5: Entry 28 of 46

File: USPT

Jun 10, 1997

US-PAT-NO: 5637487

DOCUMENT-IDENTIFIER: US 5637487 A

**** See image for Certificate of Correction ****

TITLE: Eimeria tenella vaccine

DATE-ISSUED: June 10, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vermeulen; Arno	Cuyk			NL
Dijkema; Rein	Oss			NL
Kok; Jacobus J.	Nijmegen			NL
Van Den Boogaart; Paul	Oss			NL

US-CL-CURRENT: 435/252.33; 435/235.1, 435/252.3, 435/320.1, 435/69.1, 536/23.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 29. Document ID: US 5635181 A

L5: Entry 29 of 46

File: USPT

Jun 3, 1997

US-PAT-NO: 5635181

DOCUMENT-IDENTIFIER: US 5635181 A

TITLE: Recombinant anticoccidial vaccine

DATE-ISSUED: June 3, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Harwood; David E.	Fayetteville	AR		
Hamby; Glenda	Fayetteville	AR		

US-CL-CURRENT: 424/191.1; 424/265.1, 424/267.1, 530/350, 530/822

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☒ 30. Document ID: US 5614195 A

L5: Entry 30 of 46

File: USPT

Mar 25, 1997

US-PAT-NO: 5614195

DOCUMENT-IDENTIFIER: US 5614195 A

TITLE: Coccidiosis poultry vaccine

DATE-ISSUED: March 25, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bumstead; Janene M.	Wantage			GB2
Dunn; Paul P. J.	Chalgrove			GB2
Tomley; Fiona M.	Oxford			GB2
Vermeulen; Arnoldus N.	Cuijk			NL

US-CL-CURRENT: 424/191.1; 424/267.1, 424/271.1, 435/6, 435/7.22, 435/810, 530/350, 530/387.1, 530/387.9, 530/388.1, 530/388.6, 536/23.1, 536/23.7, 930/210

Full Title Citation Front Review Classification Date Reference Sequences Attachments

FWC Draw Desc Image

☒ 31. Document ID: US 5602033 A

L5: Entry 31 of 46

File: USPT

Feb 11, 1997

US-PAT-NO: 5602033

DOCUMENT-IDENTIFIER: US 5602033 A

TITLE: Coccidiosis vaccine

DATE-ISSUED: February 11, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vermeulen; Arno	Cuyk			NL
Dijkema; Rein	Oss			NL
Kok; Jacobus J.	Nijmegen			NL

US-CL-CURRENT: 435/252.33; 435/235.1, 435/252.3, 435/320.1, 435/69.3, 530/350, 536/23.1, 536/23.5, 536/23.7

Full Title Citation Front Review Classification Date Reference Sequences Attachments

FWC Draw Desc Image

☒ 32. Document ID: US 5597571 A

L5: Entry 32 of 46

File: USPT

Jan 28, 1997

US-PAT-NO: 5597571

DOCUMENT-IDENTIFIER: US 5597571 A

TITLE: Eimeria antigenic composition which elicits antibodies against avian coccidiosis

DATE-ISSUED: January 28, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jacobson; James W.	Rockville	MD		
Strausberg; Robert L.	Silver Spring	MD		
Wilson; Susan D.	Rockville	MD		
Pope; Sharon H.	Gaithersburg	MD		
Strausberg; Susan L.	Silver Spring	MD		
Ruff; Michael D.	Bowie	MD		
Augustine; Patricia C.	Laurel	MD		
Danforth; Harry D.	Severn	MD		

US-CL-CURRENT: 424/191.1; 424/271.1, 530/300, 530/324, 530/350, 930/210

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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NAME	Draw Desc	Image
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☐ 33. Document ID: US 5496550 A

L5: Entry 33 of 46

File: USPT

Mar 5, 1996

US-PAT-NO: 5496550

DOCUMENT-IDENTIFIER: US 5496550 A

** See image for Certificate of Correction **

TITLE: Method of reducing the output of Eimeria oocysts from a newborn chick

DATE-ISSUED: March 5, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wallach; Michael	Jerusalem			IL
Pugatsch; Thea	Maaleh Adumin			IL
Mencher; David	Jerusalem			IL

US-CL-CURRENT: 424/184.1; 424/267.1, 424/271.1, 424/276.1, 435/69.1, 435/69.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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NAME	Draw Desc	Image
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☐ 34. Document ID: US 5482709 A

L5: Entry 34 of 46

File: USPT

Jan 9, 1996

US-PAT-NO: 5482709

DOCUMENT-IDENTIFIER: US 5482709 A

TITLE: Eimeria antigenic composition which elicits antibodies against avian coccidiosis

DATE-ISSUED: January 9, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jacobson; James W.	Rockville	MD		
Strausberg; Robert L.	Silver Spring	MD		
Wilson; Susan D.	Rockville	MD		
Pope; Sharon H.	Gaithersburg	MD		
Strausberg; Susan L.	Silver Spring	MD		
Ruff; Michael D.	Bowie	MD		
Augustine; Patricia C.	Laurel	MD		
Danforth; Harry D.	Severn	MD		

US-CL-CURRENT: 424/191.1; 424/271.1, 435/7.22, 530/350, 530/822, 930/210

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 35. Document ID: US 5403581 A

L5: Entry 35 of 46

File: USPT

Apr 4, 1995

US-PAT-NO: 5403581

DOCUMENT-IDENTIFIER: US 5403581 A

TITLE: Coccidiosis vaccines

DATE-ISSUED: April 4, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Binger; Mary-Helen	Hopewell	NJ		
Pasamontes; Luis	Trimbach			CH

US-CL-CURRENT: 424/191.1; 424/199.1, 424/271.1, 435/252.33, 435/69.1, 435/69.3, 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 36. Document ID: US 5387414 A

L5: Entry 36 of 46

File: USPT

Feb 7, 1995

US-PAT-NO: 5387414

DOCUMENT-IDENTIFIER: US 5387414 A

**** See image for Certificate of Correction ****

TITLE: Recombinant anticoccidial vaccine

DATE-ISSUED: February 7, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Harwood; David E.	Fayetteville	AR		
Hamby; Glenda	Fayetteville	AR		

US-CL-CURRENT: 424/191.1; 424/267.1, 435/258.4, 435/69.3, 514/2, 530/350, 530/822

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 37. Document ID: US 5279960 A

L5: Entry 37 of 46

File: USPT

Jan 18, 1994

US-PAT-NO: 5279960

DOCUMENT-IDENTIFIER: US 5279960 A

TITLE: 25 KD coccidial antigen of eimeria tenella

DATE-ISSUED: January 18, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Anderson; David M.	Rockville	MD		
McCandliss; Russell J.	Gaithersburg	MD		
Strausberg; Susan L.	Silver Spring	MD		
Strausberg; Robert L.	Silver Spring	MD		
Ruff; Michael D.	Bowie	MD		
Danforth; Harry D.	Severn	MD		
Augustine; Patricia C.	Laurel	MD		

US-CL-CURRENT: 435/243; 424/191.1, 424/271.1, 435/320.1, 435/69.3, 530/388.6, 530/822, 536/23.7

Full Title Citation Front Review Classification Date Reference Sequences Attachments

WVNC Draw Desc Image

☐ 38. Document ID: US 5273901 A

L5: Entry 38 of 46

File: USPT

Dec 28, 1993

US-PAT-NO: 5273901

DOCUMENT-IDENTIFIER: US 5273901 A

TITLE: Genetically engineered coccidiosis sporozoite 21.5 Kb antigen, ac-6b

DATE-ISSUED: December 28, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jacobson; James W.	Rockville	MD		
Strausberg; Robert L.	Silver Spring	MD		
Wilson; Susan D.	Rockville	MD		
Pope; Sharon H.	Gaithersburg	MD		
Strausberg; Susan L.	Silver Spring	MD		
Ruff; Michael D.	Bowie	MD		
Augustine; Patricia C.	Laurel	MD		
Danforth; Harry D.	Severn	MD		

US-CL-CURRENT: 435/243; 424/191.1, 424/267.1, 435/320.1, 435/6, 435/69.3, 530/388.6, 530/388.85, 536/23.7

Full Title Citation Front Review Classification Date Reference Sequences Attachments

WVNC Draw Desc Image

☐ 39. Document ID: US 5187080 A

L5: Entry 39 of 46

File: USPT

Feb 16, 1993

US-PAT-NO: 5187080
DOCUMENT-IDENTIFIER: US 5187080 A

TITLE: DNA encoding an antigenic protein derived from *Eimeria tenella* and vaccines for prevention of coccidiosis caused by *Eimeria tenella*

DATE-ISSUED: February 16, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Andrews; William H.	San Mateo	CA		
Brothers; Virginia M.	Albany	CA		
Files; James G.	Belmont	CA		
Kuhn; Irene	San Francisco	CA		
McCaman; Michael T.	San Bruno	CA		
Sias; Stacey R.	San Anselmo	CA		
Paul; Leland S.	Island Lake	IL		
Gore; Thomas C.	Charles City	IA		
Newman, Jr.; Karel Z.	Eden Prairie	MN		
Tedesco; John L.	St. Peters	MO		

US-CL-CURRENT: 435/69.3; 424/191.1, 424/267.1, 435/235.1, 435/252.3, 435/252.33, 435/320.1, 435/69.1, 435/91.41, 530/300, 530/350, 530/388.6, 536/23.4, 536/23.7

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)

[RMMC](#) [Draw Desc](#) [Image](#)

☐ 40. Document ID: US 5141925 A

L5: Entry 40 of 46

File: USPT

Aug 25, 1992

US-PAT-NO: 5141925
DOCUMENT-IDENTIFIER: US 5141925 A

TITLE: Vivo methods for treating coccidiosis

DATE-ISSUED: August 25, 1992

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Alroy; Joseph	Newton	MA		
Pereira; Miercio E. A.	Chestnut Hill	MA		

US-CL-CURRENT: 514/23; 514/24, 514/55, 514/8, 536/4.1

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)

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Term	Documents
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SPOROZOITE	506
(SPOROZOITES AND 4).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	46
(L4 AND (SPOROZOITES)).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	46

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L5: Entry 46 of 46

File: DWPI

Sep 17, 2002

DERWENT-ACC-NO: 2003-045585
 DERWENT-WEEK: 200304
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TITLE: Novel chicken monoclonal antibody specific for Eimeria acervulina antigens involved in host cell invasion and located on conoid of the anterior tip of E.acervulina sporozoites

INVENTOR: LILLEHOJ, H S; MAJORIE, B N

PATENT-ASSIGNEE: US SEC OF AGRIC (USDA)

PRIORITY-DATA: 1995US-0524668 (September 8, 1995)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 6451984 B1	September 17, 2002		014	C07K016/00

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
US 6451984B1	September 8, 1995	1995US-0524668	

INT-CL (IPC): C07 K 16/00; C12 P 21/08

ABSTRACTED-PUB-NO: US 6451984B
 BASIC-ABSTRACT:

NOVELTY - A chicken monoclonal antibody (I) specific for Eimeria acervulina antigens involved in host cell invasion, where the antigens are located on the conoid of the anterior tip of E.acervulina sporozoites, is new.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a chicken hybridoma (II) which secretes (I).

ACTIVITY - Antiparasitic; Coccidiostatic.

MECHANISM OF ACTION - Inhibitor of sporozoite invasion into CD8+ T cells.

Blocking of sporozoite invasion of CD8+ T cells with monoclonal antibody (mAb) was studied. Freshly prepared E.acervulina sporozoites (106) were pretreated by incubating with 0.5 ml of Iscove's modified Dulbecco's medium supplemented with 10% fetal calf serum (FCS) (IMDM-10) containing 20 mu l, 40 mu l or 80 mu l of concentrated mAb supernatant, control R27 myeloma supernatant, or normal serum diluted with R27H4 myeloma supernatant (1:50, 1:100 and 1:400) at 37 deg. C for 1, 2 or 4 h with agitation. After pretreatment, 106 CD8+ T cells in 0.5 ml of IMDM-10 were infected with mAb pretreated sporozoites in 24-well plates at 41 deg. C, 5% CO2 for 4 h or 18 h. After incubation, cell suspensions were mixed with 1 ml of 30% Percoll solution and overlaid on a 40/64% Percoll discontinuous gradient and centrifuged at 20 deg. C. The majority of cells infected with sporozoites located at 30/40% interface were resuspended in 100 mu l of FCS. To assess the effect of mAb on sporozoite invasion, a cyto-spin smear was prepared from 50 mu l of cell suspension and the cells stained with anti-sporozoite mAb conjugated to fluorescein isothiocyanate (FITC) in 0.01% Evan's blue. The number of sporozoites within 500 CD8+ T cells were counted and the percent inhibition of infection was calculated.

The mean sporozoite counts of samples in the blocking assays were compared by using the Student's test. MAb 6D-12-G10 showed about 40% inhibition of the invasion of E.acervulina sporozoites into CD8+ T cells compared to control supernatant. Normal chicken serum did not inhibit sporozoite invasion of CD8+ T cells when tested at several dilutions. Pretreatment of sporozoites for 4 h strongly inhibited sporozoite invasion of CD8+ T cells in a dose-dependent manner.

USE - (I) is useful for identifying parasite antigens involved in the infection and invasion of post-lymphocytes, which are useful for detecting the occurrence of parasite infection and the presence of parasites in the sample, and development of anti-coccidial vaccines. (I) is useful for detecting sporozoite and/or merzoite-stage Eimerian parasites, and for the separation and purification of the antigens. (I) is also useful for inhibiting the invasion of sporozoites into CD8+ T cells.

ADVANTAGE - (I) is effective for detecting the parasite antigens involved in the infection.

ABSTRACTED-PUB-NO: US 6451984B

EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.0/5

DERWENT-CLASS: B04 C06 D16

CPI-CODES: B04-B04C; B04-F01; B04-G01; B04-G21; B11-C08E; B12-K04A4; B14-A03C; B14-B02; B14-L06; B14-S11; C04-B04C; C04-F01; C04-G01; C04-G21; C11-C08E; C12-K04A4; C14-A03C; C14-B02; C14-L06; C14-S11; D05-H06; D05-H07; D05-H09; D05-H11A; D05-H15;